

# Athena 50

## Clear Polyester Film Tape with Acrylic Adhesive

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### GENERAL INFORMATION

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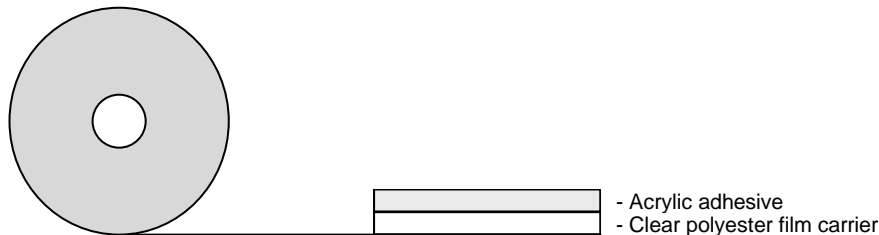
Athena 50 is a crystal clear polyester film with an acrylic adhesive mainly used for various electrical applications.

Athena 50 can be die-cut for custom made parts and is available in all dimensions but standard widths are:

- 0,065mm thick
- Acrylic adhesive
- Temperature resistant up to 150°C
- Solvent resistant
- UL510
- 12mm x 33m
- 15mm x 33m
- 19mm x 33m
- 25mm x 33m

### CONSTRUCTION

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### APPLICATIONS

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Athena 50 is used for a wide range of electrical applications. Good solvent resistance and adhesion, which fits for use of coil and transformer winding.

- Electrical industry
- Coil and transformer winding

### USER GUIDELINES

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To obtain optimal adhesion the surfaces must be clean and dry. Most frequent cleaning solvent is isopropyl/water (50:50 mixture) alcohol. Use safety instructions before using cleaners. Sometimes depending on surface a primer can be used to obtain a higher bonding force. Ideal temperature for tape application is between 21°C and 38°C. Usually electronic components and devices do not need to be cleaned as above.

## PRODUCT DATA

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### Physical Data:

|              |  |
|--------------|--|
| Adhesive:    | Acrylic  |
| Carrier:     | Polyester film   |
| Thickness:   | Carrier: 0,025mm<br>Adhesive: 0,040mm<br>Total: 0,065mm  |
| Liner:       | -  |
| Colour:      | Clear  |
| Shelf life*: | 1 years  |
| Storage:     | Good storage conditions are in room temperature. Not recommended for direct exposure to sunlight or ultraviolet light. |

\* From date of dispatch by ATC Tape Converting AB

### Performance Data:

|                     |                   |
|---------------------|-------------------|
| Tensile strength:   | 75 N/25mm         |
| Adhesive strength:  | 8,5 - 11,5 N/25mm |
| Breakdown voltage:  | 6,0 Kv            |
| Solvent resistance: | Good              |
| Elongation:         | 100 %             |
| Heat resistance:    | up to +150°C      |

## CONTACT INFORMATION

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